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AB  
09/28/01

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/497,822

DATE: 08/09/2001  
TIME: 14:30:00

Input Set : A:\PTO\_VSK.txt  
Output Set: N:\CRF3\08092001\I497822.raw

3 <110> APPLICANT: French, Frank  
4 Wilson, Elizabeth  
5 Joseph, David  
6 Lubahn, Dennis  
8 <120> TITLE OF INVENTION: ANDROGEN RECEPTOR PROTEINS RECOMBINANT DNA MOLECULES AND  
CODING FOR SUCH  
9 AND USE OF SUCH COMPOSITIONS  
11 <130> FILE REFERENCE: 5470.130DV  
13 <140> CURRENT APPLICATION NUMBER: US 09/497,822  
14 <141> CURRENT FILING DATE: 2000-02-03  
16 <160> NUMBER OF SEQ ID NOS: 26  
18 <170> SOFTWARE: PatentIn version 3.1  
20 <210> SEQ ID NO: 1  
21 <211> LENGTH: 32  
22 <212> TYPE: DNA  
23 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: Synthetic Oligonucleotide probe.  
28 <400> SEQUENCE: 1  
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32 <210> SEQ ID NO: 2  
33 <211> LENGTH: 32  
34 <212> TYPE: DNA  
35 <213> ORGANISM: Homo sapiens  
37 <400> SEQUENCE: 2  
38 acatgtggaa gctgcaagg ctctttcaaa ag 32  
41 <210> SEQ ID NO: 3  
42 <211> LENGTH: 32  
43 <212> TYPE: DNA  
44 <213> ORGANISM: Homo sapiens  
46 <400> SEQUENCE: 3  
47 acctgtggaa gctgttaagg ctcttttaag ag 32  
50 <210> SEQ ID NO: 4  
51 <211> LENGTH: 32  
52 <212> TYPE: DNA  
53 <213> ORGANISM: Homo sapiens  
55 <400> SEQUENCE: 4  
56 acctgtggca gctgcaaagg tttcttcaaa ag 32  
59 <210> SEQ ID NO: 5  
60 <211> LENGTH: 32  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Homo sapiens  
64 <400> SEQUENCE: 5  
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68 <210> SEQ ID NO: 6  
69 <211> LENGTH: 32  
70 <212> TYPE: DNA  
71 <213> ORGANISM: Homo sapiens

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73 <400> SEQUENCE: 6  
 74 tcctgtgagg gctgtaaggc cttcttcaag ag 32  
 77 <210> SEQ ID NO: 7  
 78 <211> LENGTH: 32  
 79 <212> TYPE: DNA  
 80 <213> ORGANISM: Homo sapiens  
 82 <400> SEQUENCE: 7  
 83 acgtgtgaag gctgcaaggg tttctttaga ag 32  
 86 <210> SEQ ID NO: 8  
 87 <211> LENGTH: 32  
 88 <212> TYPE: DNA  
 89 <213> ORGANISM: Homo sapiens  
 91 <400> SEQUENCE: 8  
 92 gcctgtgagg gctgcaaggg cttcttccgc cg 32  
 95 <210> SEQ ID NO: 9  
 96 <211> LENGTH: 66  
 97 <212> TYPE: PRT  
 98 <213> ORGANISM: Homo sapiens  
 100 <400> SEQUENCE: 9  
 102 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Ala Leu  
 103 1 5 10 15  
 106 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Ala Glu Gly Lys  
 107 20 25 30  
 110 Gln Lys Tyr Leu Cys Ala Ser Arg Asn Asp Cys Thr Ile Asp Lys Phe  
 111 35 40 45  
 114 Arg Arg Lys Asn Cys Pro Ser Cys Arg Leu Arg Lys Cys Tyr Glu Ala  
 115 50 55 60  
 118 Gly Met  
 119 65  
 122 <210> SEQ ID NO: 10  
 123 <211> LENGTH: 66  
 124 <212> TYPE: PRT  
 125 <213> ORGANISM: Homo sapiens  
 127 <400> SEQUENCE: 10  
 129 Cys Leu Ile Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu  
 130 1 5 10 15  
 133 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Met Glu Gly Gln  
 134 20 25 30  
 137 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Val Asp Lys Ile  
 138 35 40 45  
 141 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Arg Lys Cys Cys Gln Ala  
 142 50 55 60  
 145 Gly Met  
 146 65  
 149 <210> SEQ ID NO: 11  
 150 <211> LENGTH: 66  
 151 <212> TYPE: PRT  
 152 <213> ORGANISM: Homo sapiens  
 154 <400> SEQUENCE: 11

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156 Cys Leu Val Cys Gly Asp Glu Ala Ser Gly Cys His Tyr Gly Val Val  
157 1 5 10 15  
160 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln  
161 20 25 30  
164 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile  
165 35 40 45  
168 Arg Arg Lys Asn Cys Pro Ala Cys Arg Leu Gln Lys Cys Leu Gln Ala  
169 50 55 60  
172 Gly Met  
173 65  
176 <210> SEQ ID NO: 12  
177 <211> LENGTH: 66  
178 <212> TYPE: PRT  
179 <213> ORGANISM: Homo sapiens  
181 <400> SEQUENCE: 12  
183 Cys Leu Val Cys Ser Asp Glu Ala Ser Gly Cys His Tyr Gly Val Leu  
184 1 5 10 15  
187 Thr Cys Gly Ser Cys Lys Val Phe Phe Lys Arg Ala Val Glu Gly Gln  
188 20 25 30  
191 His Asn Tyr Leu Cys Ala Gly Arg Asn Asp Cys Ile Ile Asp Lys Ile  
192 35 40 45  
195 Arg Arg Lys Asn Cys Pro Ala Cys Arg Tyr Arg Lys Cys Leu Gln Ala  
196 50 55 60  
199 Gly Met  
200 65  
203 <210> SEQ ID NO: 13  
204 <211> LENGTH: 66  
205 <212> TYPE: PRT  
206 <213> ORGANISM: Homo sapiens  
208 <400> SEQUENCE: 13  
210 Cys Ala Val Cys Asn Asp Tyr Ala Ser Gly Tyr His Tyr Gly Val Trp  
211 1 5 10 15  
214 Ser Cys Glu Gly Cys Lys Ala Phe Phe Lys Arg Ser Ile Gln Gly His  
215 20 25 30  
218 Asn Asp Tyr Met Cys Pro Ala Thr Asn Gln Cys Thr Ile Asp Lys Asn  
219 35 40 45  
222 Arg Arg Lys Ser Cys Gln Ala Cys Arg Leu Arg Lys Cys Tyr Glu Val  
223 50 55 60  
226 Gly Met  
227 65  
230 <210> SEQ ID NO: 14  
231 <211> LENGTH: 66  
232 <212> TYPE: PRT  
233 <213> ORGANISM: Gallus gallus  
235 <400> SEQUENCE: 14  
237 Cys Gly Val Cys Gly Asp Arg Ala Thr Gly Phe His Phe Asn Ala Met  
238 1 5 10 15  
241 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Met Lys Arg Lys  
242 20 25 30

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245 Ala Met Phe Thr Cys Pro Phe Asn Gly Asp Cys Lys Ile Thr Lys Asp  
246 35 40 45  
249 Asn Arg Arg His Cys Gln Ala Cys Arg Leu Lys Arg Cys Val Asp Ile  
250 50 55 60  
253 Gly Met  
254 65  
257 <210> SEQ ID NO: 15  
258 <211> LENGTH: 68  
259 <212> TYPE: PRT  
260 <213> ORGANISM: Homo sapiens  
262 <400> SEQUENCE: 15  
264 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile  
265 1 5 10 15  
268 Thr Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Thr Ile Gln Lys Asn  
269 20 25 30  
272 Leu His Pro Ser Tyr Ser Cys Lys Tyr Glu Gly Lys Cys Val Ile Asp  
273 35 40 45  
276 Lys Val Thr Arg Asn Gln Cys Gln Glu Cys Arg Phe Lys Lys Cys Ile  
277 50 55 60  
280 Tyr Val Gly Met  
281 65  
284 <210> SEQ ID NO: 16  
285 <211> LENGTH: 68  
286 <212> TYPE: PRT  
287 <213> ORGANISM: Avian erythroblastosis virus  
289 <400> SEQUENCE: 16  
291 Cys Val Val Cys Gly Asp Lys Ala Thr Gly Tyr His Tyr Arg Cys Ile  
292 1 5 10 15  
295 Thr Cys Glu Gly Cys Lys Ser Phe Phe Arg Arg Thr Ile Gln Lys Asn  
296 20 25 30  
299 Leu His Pro Thr Thr Ser Cys Thr Tyr Asp Gly Cys Cys Val Ile Asp  
300 35 40 45  
303 Lys Ile Thr Arg Asn Gln Cys Gln Leu Cys Arg Phe Lys Lys Cys Ile  
304 50 55 60  
307 Ser Val Gly Met  
308 65  
311 <210> SEQ ID NO: 17  
312 <211> LENGTH: 66  
313 <212> TYPE: PRT  
314 <213> ORGANISM: Homo sapiens  
316 <400> SEQUENCE: 17  
318 Cys Phe Val Cys Gln Asp Lys Ser Ser Gly Tyr His Tyr Gly Val Ser  
319 1 5 10 15  
322 Ala Cys Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Gln Lys Asn  
323 20 25 30  
326 Met Val Tyr Thr Cys His Arg Asp Lys Asn Cys Ile Ile Asn Lys Val  
327 35 40 45  
330 Thr Arg Asn Arg Cys Gln Tyr Cys Arg Leu Gln Lys Cys Phe Glu Val  
331 50 55 60

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Input Set : A:\PTO\_VSK.txt  
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334 Gly Met  
335 65  
338 <210> SEQ ID NO: 18  
339 <211> LENGTH: 5082  
340 <212> TYPE: DNA  
341 <213> ORGANISM: Homo sapiens  
343 <220> FEATURE:  
344 <221> NAME/KEY: misc\_feature  
345 <222> LOCATION: (360)..(360)  
346 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
349 <220> FEATURE:  
350 <221> NAME/KEY: misc\_feature  
351 <222> LOCATION: (365)..(365)  
352 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
355 <220> FEATURE:  
356 <221> NAME/KEY: misc\_feature  
357 <222> LOCATION: (376)..(376)  
358 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
361 <220> FEATURE:  
362 <221> NAME/KEY: misc\_feature  
363 <222> LOCATION: (385)..(385)  
364 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
367 <220> FEATURE:  
368 <221> NAME/KEY: misc\_feature  
369 <222> LOCATION: (399)..(399)  
370 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
373 <220> FEATURE:  
374 <221> NAME/KEY: misc\_feature  
375 <222> LOCATION: (407)..(407)  
376 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
379 <220> FEATURE:  
380 <221> NAME/KEY: misc\_feature  
381 <222> LOCATION: (417)..(417)  
382 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
385 <220> FEATURE:  
386 <221> NAME/KEY: misc\_feature  
387 <222> LOCATION: (422)..(422)  
388 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
391 <220> FEATURE:  
392 <221> NAME/KEY: misc\_feature  
393 <222> LOCATION: (435)..(435)  
394 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
397 <220> FEATURE:  
398 <221> NAME/KEY: misc\_feature  
399 <222> LOCATION: (439)..(439)  
400 <223> OTHER INFORMATION: "n" denotes any nucleotide.  
403 <220> FEATURE:  
404 <221> NAME/KEY: misc\_feature  
405 <222> LOCATION: (441)..(441)

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

**VERIFICATION SUMMARY**

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Input Set : A:\PTO\_VSK.txt

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L:492 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:526 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18